

Part number:

**HYDROMA**

HYDRAULICKÉ SYSTÉMY

**HIDROMA  
SYSTEMS**

UKŁADY HYDRAULICZNE

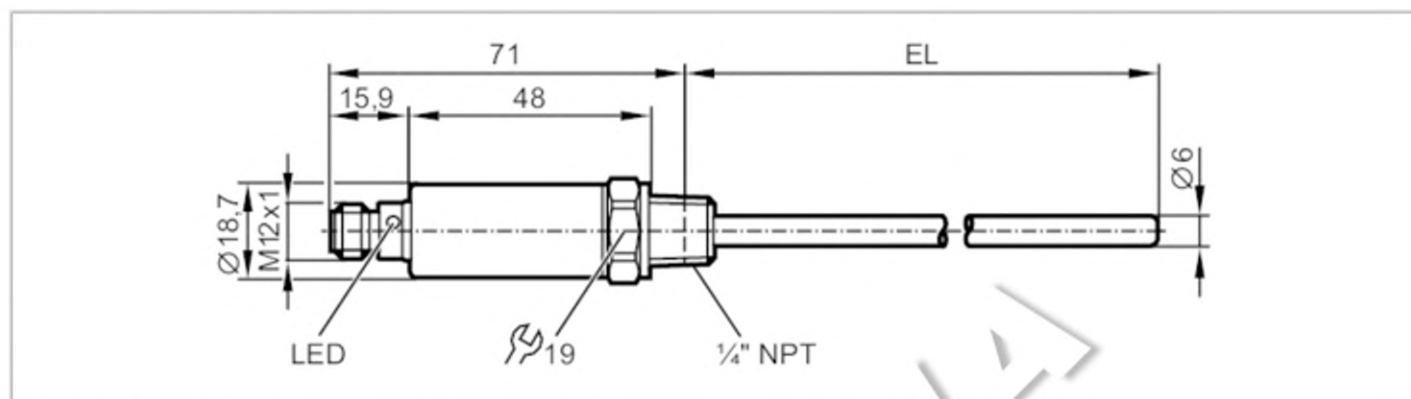
**HYDROMA**

ГИДРАВЛИЧЕСКИЕ СИСТЕМЫ

## TA2603

### Temperature transmitter

TA025FLEN14-A-ZVG/US



#### Product characteristics

Number of inputs and outputs		Number of analogue outputs: 1
Measuring range	[°F]	-58...302
Process connection		threaded connection 1/4" NPT
Installation length EL	[mm]	25

#### Application

Special feature		Gold-plated contacts
Measuring element		1 x Pt 1000; (to DIN EN 60751, class A)
Media		liquids and gases
Pressure rating	[bar]	400
Note on pressure rating		sensor
MAWP (for applications according to CRN)	[bar]	400
When mounted in adapters the specifications of the adapter data sheet apply.		

#### Electrical data

Operating voltage	[V]	18...32 DC; ("supply class 2" to cULus)
Current consumption	[mA]	< 50
Protection class		III
Reverse polarity protection		yes
Power-on delay time	[s]	1

#### Inputs / outputs

Number of inputs and outputs		Number of analogue outputs: 1
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#### Outputs

Total number of outputs		1
Output signal		analogue signal; IO-Link; (configurable)
Number of analogue outputs		1
Analogue current output	[mA]	4...20
Max. load	[Ω]	250; ((18...19 V); 19...32 V: 300 Ω)
Short-circuit protection		yes
Overload protection		yes

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Measuring/setting range			
Measuring range	[°F]	-58...302	
Factory setting		0...300 °F	
Resolution			
Resolution of analogue output	[K]	0.04	
Accuracy / deviations			
Precision analogue output	[K]	± 0,3 + (± 0,1 % MS)	
Temperature coefficient [% of the span / 10 K]		0,1; (in case of deviation from the reference condition 25 ± 5 °C)	
Response times			
Dynamic response T05 / T09	[s]	1 / 3	
Interfaces			
Communication interface		IO-Link	
Transmission type		COM2 (38,4 kBaud)	
IO-Link revision		1.1	
Operating conditions			
Ambient temperature	[°C]	-25...80	
Storage temperature	[°C]	-40...100	
Protection		IP 67; IP 68; IP 69K	
Tests / approvals			
EMC		DIN EN 61000-6-2	
Shock resistance		DIN IEC 68-2-27	50 g (11 ms)
Vibration resistance		DIN IEC 68-2-6	20 g (10...2000 Hz)
MTTF	[years]		572
UL approval		UL Approval no.	K002
Mechanical data			
Weight	[g]		87.5
Dimensions	[mm]		Ø 18.7
Materials			stainless steel (1.4404 / 316L); PEI; FKM
Materials (wetted parts)			stainless steel (1.4404 / 316L)
Process connection			threaded connection 1/4" NPT
Probe diameter	[mm]		6
Installation length EL	[mm]		25
Displays / operating elements			
Display		operating status	1 x LED, green
Remarks			
Remarks			MS = set measuring span
Pack quantity			1 pcs.
Electrical connection			

Connector: 1 x M12; coding: A; Contacts: gold-plated

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### Connection

